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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

7. (Amended) The differential group delay generator claimed in ~~claim 4 or claim 6~~ claim 4, including a third compensating dispersive component adapted to receive said second component and having a chromatic dispersion substantially equal to the cumulative chromatic dispersion of said second dispersive component and said delaying dispersive component.

9. (Amended) A polarization dispersion compensator for optical transmission systems including a sender terminal sending data in the form of a polarized optical signal, an optical transmission link, and a receiver terminal, said polarization dispersion compensator including a polarization controller, adjustable differential group delay generator means, said controller and said adjustable differential group delay generator means being interleaved between said transmission link and said receiver terminal in that order, and control means for controlling said polarization controller and said differential group delay generator means, which differential group delay generator means conform to the differential group delay generator claimed in ~~any of claims 1 to 6~~ claim 1.